

Regional HIV/AIDS Epidemiologic Profile of Hampshire County, Massachusetts: FY 2008

Table 1. Total number of people reported with HIV infection or AIDS¹ by mortality status on December 31, 2007 Hampshire County, Massachusetts

	N	%
People Living with HIV/AIDS	121	51%
People Reported with HIV or AIDS who are Deceased	117	49%
Total Number of People Reported with HIV Infection or AIDS	238	100%

¹ Does not include individuals diagnosed with HIV infection (non-AIDS) who died prior to January 1, 1999 or who were not in care on January 1, 1999.

Data Source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08

Table 2. Average annual rate of HIV infection diagnosis from 2004 to 2006 and rate of people living with HIV/AIDS on 12/31/07¹: Hampshire County, Massachusetts

Average annual HIV diagnosis rate from 2004–2006	Average Rate per 100,000	Average Number of HIV Diagnoses
Hampshire County, MA	5 per 100,000	7
Massachusetts Total	13 per 100,000	857
Rate of people living with HIV/AIDS on 12/31/07	Rate per 100,000	Number of People Living with HIV/AIDS
Hampshire County, MA	79 per 100,000	121
Massachusetts Total	267 per 100,000	16,977

¹ Population sizes for rate calculations are based on year 2000 population estimates from the MDPH Center for Health Information, Statistics, Research and Evaluation

Data Source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08

Table 3. People living with HIV/AIDS¹, deaths among people reported with HIV/AIDS, and newly diagnosed HIV infections by year²: 1999–2006, Hampshire County, Massachusetts

Year	HIV/AIDS Prevalence	Deaths among those with HIV/AIDS	Diagnosis of HIV Infection
1999	86	4	11
2000	96	2	12
2001	99	3	6
2002	101	3	5
2003	106	1	6
2004	110	4	8
2005	111	3	4
2006	118	2	9

¹ Number of People living with HIV/AIDS on 12/31 of each year

² Reflects year of diagnosis for HIV infection among all individuals reported with HIV infection, with or without an AIDS diagnosis
Data source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08

Table 4. People diagnosed with HIV infection from 2004–2006¹ and people living with HIV/AIDS on December 31, 2007 by gender, place of birth, race/ethnicity, exposure mode, age at HIV infection diagnosis and current age: Hampshire County, Massachusetts

HIV Infection Diagnoses			PLWH/A	
Gender:	N	%	N	%
Male	16	76%	89	74%
Female	5	24%	32	26%
Place of Birth:	N	%	N	%
US	17	81%	102	84%
Puerto Rico/US Dependency ²	1	5%	12	10%
Non-US	3	14%	7	6%
Race/Ethnicity:	N	%	N	%
White (non-Hispanic)	15	71%	75	62%
Black (non-Hispanic)	-- ⁶	-- ⁶	15	12%
Hispanic	-- ⁶	-- ⁶	27	22%
Other/Undetermined ³	2	10%	4	3%
Exposure Mode:	N	%	N	%
Male-to-male sex (MSM)	11	52%	57	47%
Injection Drug Use (IDU)	2	10%	27	22%
MSM/IDU	0	0%	3	2%
Heterosexual Sex	1	5%	10	8%
Other	0	0%	3	2%
Total Undetermined	7	33%	21	17%
• Presumed Heterosexual Sex ⁴	4	19%	16	13%
• Undetermined ⁵	3	14%	5	4%
Age:	N	%	N	%
	At Diagnosis		On December 31, 2007	
Under 13	0	0%	0	0%
13 to 19	1	5%	3	2%
20 to 24	0	0%	1	1%
25 to 29	3	14%	5	4%
30 to 34	2	10%	9	7%
35 to 39	5	24%	13	11%
40 to 44	5	24%	22	18%
45 to 49	2	10%	30	25%
50 to 54	1	5%	18	15%
55 to 59	0	0%	7	6%
60+	2	10%	13	11%
Total	21	100%	121	100%

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS

² Ninety-five percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, and 4% were born in an unknown dependency

³ Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

⁴ Heterosexual sex with partners with unknown risk and HIV status

⁵ Includes those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up

⁶ Numbers less than 5 for localities with populations of less than 50,000 are suppressed for the assurance of confidentiality

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 5. People living with HIV/AIDS on December 31, 2007 by gender and race/ethnicity: Hampshire County, Massachusetts

Race/Ethnicity:	Male		Female	
	N	%	N	%
White Non-Hispanic	56	63%	19	59%
Black Non-Hispanic	12	13%	-- ²	-- ²
Hispanic	18	20%	9	28%
Other/Undetermined ¹	3	3%	-- ²	-- ²
Total	89	100%	32	100%

¹ Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

² Numbers less than 5 for localities with populations of less than 50,000 are suppressed for the assurance of confidentiality

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 6. People living with HIV/AIDS on December 31, 2007 by gender and exposure mode: Hampshire County, Massachusetts

Exposure Mode:	Male		Female	
	N	%	N	%
Male-to-male sex (MSM)	57	64%	N/A	N/A
Injection drug use (IDU)	17	19%	10	31%
MSM/IDU	3	3%	N/A	N/A
Heterosexual sex	2	2%	8	25%
Other	2	2%	1	3%
Total Undetermined	8	9%	13	41%
• Presumed heterosexual sex ¹	5	6%	11	34%
• Undetermined ²	3	3%	2	6%
Total	89	100%	32	100%

¹ Heterosexual sex with partners with unknown risk and HIV status

² Includes those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up; N/A=Not Applicable

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 7. People diagnosed with HIV infection by gender and year of diagnosis: Hampshire County, Massachusetts, before 1999, 1999–2006¹

	Male		Female		Total
	N	%	N	%	
< 1999	135	78%	39	22%	174
1999	9	82%	2	18%	11
2000	11	92%	1	8%	12
2001	4	67%	2	33%	6
2002	3	60%	2	40%	5
2003	5	83%	1	17%	6
2004	7	88%	1	13%	8
2005	2	50%	2	50%	4
2006 ²	7	78%	2	22%	9

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² 2006 data are preliminary

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 8. People diagnosed with HIV infection by race/ethnicity and year of diagnosis: Hampshire County, Massachusetts, before 1999, 1999–2006¹

	White NH		Black NH		Hispanic		Other/ Undetermined ²		Total
	N	%	N	%	N	%	N	%	
< 1999	111	64%	25	14%	35	20%	3	2%	174
1999	10	91%	0	0%	-- ⁴	-- ⁴	-- ⁴	-- ⁴	11
2000	7	58%	-- ⁴	-- ⁴	-- ⁴	-- ⁴	-- ⁴	-- ⁴	12
2001	3	50%	-- ⁴	-- ⁴	-- ⁴	-- ⁴	-- ⁴	-- ⁴	6
2002	4	80%	0	0%	-- ⁴	-- ⁴	-- ⁴	-- ⁴	5
2003	5	83%	0	0%	-- ⁴	-- ⁴	-- ⁴	-- ⁴	6
2004	4	50%	-- ⁴	-- ⁴	-- ⁴	-- ⁴	-- ⁴	-- ⁴	8
2005	3	75%	0	0%	-- ⁴	-- ⁴	-- ⁴	-- ⁴	4
2006 ³	8	89%	0	0%	0	0%	1	11%	9

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

³ 2006 data are preliminary

⁴ Numbers less than 5 for localities with populations of less than 50,000 are suppressed for the assurance of confidentiality

NH = Non-Hispanic

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 9. People diagnosed with HIV infection by place of birth and year of diagnosis: Hampshire County, Massachusetts, before 1999, 1999–2006¹

	US		Puerto Rico/ US Dependency ²		Non-US		Total
	N	%	N	%	N	%	
< 1999	148	85%	19	11%	7	4%	174
1999	9	82%	1	9%	1	9%	11
2000	12	100%	0	0%	0	0%	12
2001	4	67%	1	17%	1	17%	6
2002	4	80%	1	20%	0	0%	5
2003	6	100%	0	0%	0	0%	6
2004	5	63%	1	13%	2	25%	8
2005	4	100%	0	0%	0	0%	4
2006 ³	8	89%	0	0%	1	11%	9

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² Ninety-five percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, and 4% were born in an unknown dependency

³ 2006 data are preliminary

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 10. People diagnosed with HIV infection by exposure mode and year of diagnosis: Hampshire County, Massachusetts, before 1999, 1999–2006¹

	MSM		IDU		MSM/ IDU		HTSX		Other		Pres. HTSX ²		Undeter- mined ³		Total
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N
<1999	63	36%	63	36%	7	4%	20	11%	6	3%	11	6%	4	2%	174
1999	7	64%	1	9%	0	0%	0	0%	0	0%	3	27%	0	0%	11
2000	9	75%	2	17%	0	0%	1	8%	0	0%	0	0%	0	0%	12
2001	3	50%	0	0%	0	0%	2	33%	0	0%	1	17%	0	0%	6
2002	2	40%	1	20%	0	0%	0	0%	0	0%	2	40%	0	0%	5
2003	2	33%	0	0%	1	17%	2	33%	1	17%	0	0%	0	0%	6
2004	3	38%	0	0%	0	0%	1	13%	0	0%	1	13%	3	38%	8
2005	1	25%	1	25%	0	0%	0	0%	0	0%	2	50%	0	0%	4
2006 ⁴	7	78%	1	11%	0	0%	0	0%	0	0%	1	11%	0	0%	9

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² Heterosexual sex with partners with unknown risk and HIV status

³ Includes those still being followed up for risk information, those who have died with no determined risk and those lost to follow-up

⁴ 2006 data are preliminary

MSM = Male-to-Male Sex; IDU = Injection Drug Use; MSM/IDU = Male-to-Male Sex and Injection Drug Use; HTSX = Heterosexual Sex; Pres. HTSX = Presumed Heterosexual Sex

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 11. People diagnosed with HIV infection and AIDS within two months and all people diagnosed with HIV infection by year of diagnosis: Hampshire County, Massachusetts, 1999–2006¹

	HIV and AIDS diagnosed within 2 months	All HIV infection diagnoses	% diagnosed with HIV and AIDS within 2 months
Year:	N	N	%
1999	2	11	18%
2000	1	12	8%
2001	3	6	50%
2002	2	5	40%
2003	1	6	17%
2004	3	8	38%
2005	0	4	0%
2006	2	9	22%

¹ Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS
Data Source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08

Table 12. People diagnosed with HIV infection and AIDS within two months and all people diagnosed with HIV infection by gender, race/ethnicity, and place of birth: Hampshire County, Massachusetts, 2004–2006¹

	HIV and AIDS diagnosed within 2 months	All HIV infection diagnoses	% diagnosed with HIV and AIDS within 2 months
Gender:	N	N	%
Male	4	16	25%
Female	1	5	20%
Race/Ethnicity:	N	N	%
White (non-Hispanic)	2	15	13%
Black (non-Hispanic)	1	2	50%
Hispanic	1	2	50%
Other/Undetermined ²	1	2	50%
Place of Birth:	N	N	%
US	2	17	12%
Puerto Rico/US Dependencies ³	1	1	100%
Non-US	2	3	67%
Total	5	21	24%

¹ Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS

² Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

³ Ninety-five percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, and 4% were born in an unknown dependency

Data Source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08